

Title (en)

ROBOT TRAVELING METHOD AND APPARATUS, AND ELECTRONIC DEVICE, STORAGE MEDIUM AND PROGRAM PRODUCT

Title (de)

ROBOTERFAHRTVERFAHREN UND -VORRICHTUNG SOWIE ELEKTRONISCHE VORRICHTUNG, SPEICHERMEDIUM UND PROGRAMMPRODUKT

Title (fr)

PROCÉDÉ ET APPAREIL DE DÉPLACEMENT DE ROBOT, DISPOSITIF ÉLECTRONIQUE, SUPPORT DE STOCKAGE ET PRODUIT PROGRAMME

Publication

**EP 4300237 A1 20240103 (EN)**

Application

**EP 21927694 A 20211217**

Priority

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- CN 2021139330 W 20211217

Abstract (en)

[origin: CN112987734A] The invention provides a robot driving method and device, an electronic device, a storage medium and a program product. The method comprises the following steps: carrying out obstacle detection, obtaining a first coordinate point of a detected obstacle in a first coordinate system, carrying out coordinate system conversion on the first coordinate point, obtaining a second coordinate point of the obstacle in a second coordinate system, obtaining a first azimuth angle corresponding to each second coordinate point, and traversing all the first azimuth angles, and performing coordinate axis rotation on all the second coordinate points according to the currently traversed first azimuth angle so as to determine the farthest target coordinate point which the robot is allowed to reach when walking along the currently traversed first azimuth angle, and based on the target coordinate point corresponding to each first azimuth angle, obtaining the target azimuth angle deviation of the robot, and controlling the robot to run according to the target azimuth angle deviation. According to the method and the device, direction guidance can be provided for the robot without positioning information, and the robot is controlled to advance on the middle line of the narrow channel.

IPC 8 full level

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CPC (source: CN EP US)

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